

# Dell EMC OpenManage Enterprise Power Manager Version 1.1 Release Notes

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## Current Version

1.1

## Previous Version

1.0

## Release summary

Dell EMC OpenManage Enterprise Power Manager is an extension or a plugin to the Dell EMC OpenManage Enterprise (OME) console and uses fine-grained instrumentation to provide increased visibility to power consumption, anomalies, and utilization. Also, Power Manager alerts and reports about power and thermal events in servers, chassis, and custom groups consisting of servers and chassis. This reporting enables increased control, faster response times, greater accuracy, and broader decision-making intelligence than is otherwise possible.

When used with PowerEdge servers or modular systems with an iDRAC Enterprise or iDRAC Datacenter license, or supported chassis and OpenManage Enterprise Advanced license, Power Manager leverages information from the OME console to deliver platform-level power reporting. Power Manager then communicates with Integrated Dell Remote Access Controller (iDRAC) or Chassis Management Controller (CMC) on each managed device to provide power-management data and execution of control policy—making it easy for administrators to identify areas in which they can gain efficiencies and cut wasteful costs.

## Priority and recommendations

Dell EMC recommends the customer to review specifics about the update to determine if it applies to your system. The update contains changes that impact only certain configurations, or provides new features that may or may not apply to your environment.

## Compatibility

For the complete list about supported devices, protocols, hardware, and web browsers, see *Dell EMC OpenManage Enterprise Power Manager User's Guide*.

# New in this release

- Power Manager can now support devices up to 6000.
- Disabled incompatible version of Power Manager after upgrading OpenManage Enterprise.
- Flexibility to download the Power Manager files and install the plugin or extension at a convenient time.
- Sort and filter information for all the features in Power Manager.
- Support for configuring the power cap value in Watts or percentage at a group level.
- Dedicated landing page for Power Manager
- Improvements in widgets for better user experience
- Support for creating and maintain temperature-triggered policies to prevent damage to managed devices due to overheating caused by failure of cooling infrastructure by applying Emergency Power Reduction (EPR) on the devices.
- Added support to view temperature-triggered policy details in existing in-built reports.
- View the top 10 devices and groups violating power and temperature thresholds.
- Support for Dell EMC VxRail systems.
- Support for PowerEdge servers with AMD processors with iDRAC version 4.10.10.10 onwards.
- Support for iDRAC Datacenter license.

# Known issues

## Issue 1

### Description:

When you are trying to apply EPR on a device, the EPR operation may fail and there is an entry in the **Audit Logs**.

### Resolution:

Ensure that all the following conditions are met:

- There is at least one device in the group that is eligible for applying EPR.
- **Throttle** option is applicable for the following devices:
  - If the device is a server, then iDRAC Enterprise license is applied.
  - If the device is PowerEdge M1000e or PowerEdge MX7000 chassis.
- **Shutdown** option is applicable only for servers.

## Issue 2

### Description:

After rebooting OpenManage Enterprise appliance, if you try to perform any plugin lifecycle-related actions for Power Manager, the job is initiated in the back-end but you still see the **Console and Plugins** or **Console and Extensions** page. And, the following message is displayed after some time: `This page isn't working`

### Resolution:

Wait for some time, and view the status. The plugin lifecycle-related action is completed successfully.

## Issue 3

### Description:

For an MX7000 chassis, the power cap value is displayed as same as the upper bound value. When you manually change the power cap percentage, the value is not updated and even if you change the value, the percentage is not updated.

### Resolution:

Provide the power cap value, and save the policy. The policy imposes the specified power cap value on the selected devices or groups.

## Issue 4

### Description:

Events are not generated for the following combination of temperature threshold violations:

- Lower Warning to Upper Warning
- Lower Critical to Upper Critical
- Upper Warning to Lower Warning

- Upper Critical to Lower Critical

**Resolution:**

Provide realistic warning and critical values so that there are no immediate alert generating temperature changes.

**Issue 5**

**Description:**

When you try to remove a device that is part of multiple groups using the REST API, then an error message is displayed.

**Resolution:**

To remove a device that is part of multiple groups, remove the device from the group in OpenManage Enterprise. The changes are automatically reflected in Power Manager.

**Issue 6**

**Description:**

Multiple entries on group membership changes in **Audit Logs**.

**Resolution:**

When there are updates to the static group membership through OpenManage Enterprise, there are multiple entries of this update in the **Audit Logs** and **Alert Log**.

**Issue 7**

**Description:**

There are two alerts that are received on the destination console when power and temperature threshold violation alerts are forwarded from a device and a group where the device is part of that group.

**Issue 8**

**Description:**

**Scenario:** When you change the power and temperature units in Power Manager through REST APIs and check for the unit change updates in UI, the updates are not reflected on the UI.

**Resolution:**

To view the updates on the UI after changing the power and temperature units through REST APIs, refresh the browser.

**Issue 9**

**Description:**

When you rediscover a device or an inventory job is in progress in OpenManage Enterprise, the following error message is displayed: `Value entered for id is invalid`

**Resolution:**

Add the devices in Power Manager after the discovery or inventory job is completed.

**Issue 10**

**Description:**

The **Energy Consumption** value under **Power History** section that is displayed in **Metrics and Monitoring History** tab for a device is not accurate when you select the duration as **1 Month, 3 Months, 6 Months, or 1 Year**.

**Resolution:**

As a workaround to view the right **Energy Consumption** value for a device, use the REST APIs or run the built-in **Power Manager: Power and Thermal Report of Devices** report.

**Issue 11**

**Description:**

When a device is added to or removed from a static group, audit logs indicating that properties of group is updated, is generated for all static groups being monitored by Power Manager even though membership change is made only on one group.

**Issue 12**

**Description:**

When a device is added to or removed from a static group having an active power policy, the alert log indicating that group membership properties are updated, is generated intermittently. Whenever the alert log is generated, it will be generated for all the static groups having an active policy on them even though membership change is made only on one group.

# Installation instructions

To monitor power and thermal data for devices or groups, install Power Manager plugin or extension on OpenManage Enterprise.

 **NOTE:** Installing a plugin on **OpenManage Enterprise** restarts the appliance services.

For information about installing Power Manager, see Dell EMC OpenManage Enterprise Power Manager User's Guide.


# Upgrade instructions

To upgrade to Power Manager version 1.1, do the following:

1. Upgrade OpenManage Enterprise versions 3.2.1 or 3.3.1 to OpenManage Enterprise version 3.4.  
Power Manager gets disabled when OpenManage Enterprise is upgraded to the latest version.
2. Refresh the **Console and Plugins** or **Console and Extensions** page. To go to the **Console and Plugins** or **Console and Extensions** page, in OpenManage Enterprise, click **Application Settings > Console and Plugins** or **Application Settings > Console and Extensions**.  
Power Manager version 1.1 is now available for installation.
3. Install Power Manager version 1.1.
4. After Power Manager is upgraded, go to the **Console and Plugins** or **Console and Extensions** page again and enable Power Manager.

 **NOTE:** The settings that are configured in Power Manager version 1.0 is retained in Power Manager version 1.1.


# Contacting Dell

 **NOTE:** If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Go to **Dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.